

MARKED UP COPY OF SPECIFICATION AMENDMENTS

Page 8, paragraph beginning on line 6, amend to read:

- -Advancement mechanism 60 is reciprocally rotatable with respect to connector 30 between first and second positions. Opposed projections 74 extend radially outwardly from short tubular body section 76 to facilitate relative manual rotation of the advancement mechanism with respect to connector 30. When in the first position, camming ribs [36] 56 of connector 30 have deflected legs 66 radially inwardly about pivot sections 78 so that threaded surfaces 70 engage and mesh with corresponding threads 104 along opposed sides of plunger 102. When rotated into the second position, camming ribs [36] 56 disengage from outer surfaces 72 of legs 66 to permit the legs to relax or resile outwardly thus disengaging the threaded surfaces 70 from threads 104 of plunger 102. When the advancement mechanism 60 is in the second position, plunger 102 is freely movable with respect to connector 30 and chamber 14; when the threaded surfaces of legs 66 are engaged with the threads of the plunger, only incremental axial movement is permitted by rotation of actuator 100.- -

Page 8, paragraph beginning on line 21, amend to read:

- -Proximal end 40 of connector 30 is shown to include a circumferentially opposed pair of first detents 44 and first stops 46 that cooperate with respective ones of projections 74 to secure the advancement mechanism in the first position; similarly, a pair of second detents 48 and second stops 50 similarly cooperate with respective bearing surfaces 80 of projections 74 to secure the advancement mechanism in the second position. In FIG. 1, the advancement mechanism is in its first or unlocked position, with projections 74 engaged with the first detents 44 and first stops 46. An indicator [52] 58 preferably is embossed on connector 30 to indicate the first or unlocked and second or locked positions and the direction of locking or unlocking. Also, preferably connector 30 is formed of translucent or

transparent material to enable engagement with the threaded plunger, and the location of the plunger tip, to be visually verified.- -

Page 11, paragraph beginning on line 9, amend to read:

- -A third embodiment of viscoseselective seal is shown in FIG. 12. Distal tip member 250 is shown to include one [ore] or more very small dimensioned apertures 252 extending proximally from distal tip 254 to exit proximally of seal seat 256 such as into a bore 258 of the plunger shaft 260 which includes other apertures (not shown) communicating with the exterior surface of the actuator near the proximal end. The size of apertures 252 is selected such that viscous material for which the syringe is intended would not enter the apertures even under high pressure. The distal tip member is similar to member 150 of FIGS. 8 and 9 and may be molded of plastic material. The very small apertures could be formed, for example, by laser and be about 0.01 to 0.25 inches wide, when used with PMMA; for other materials of differing viscosity, other dimensions may yield improved performance.- -

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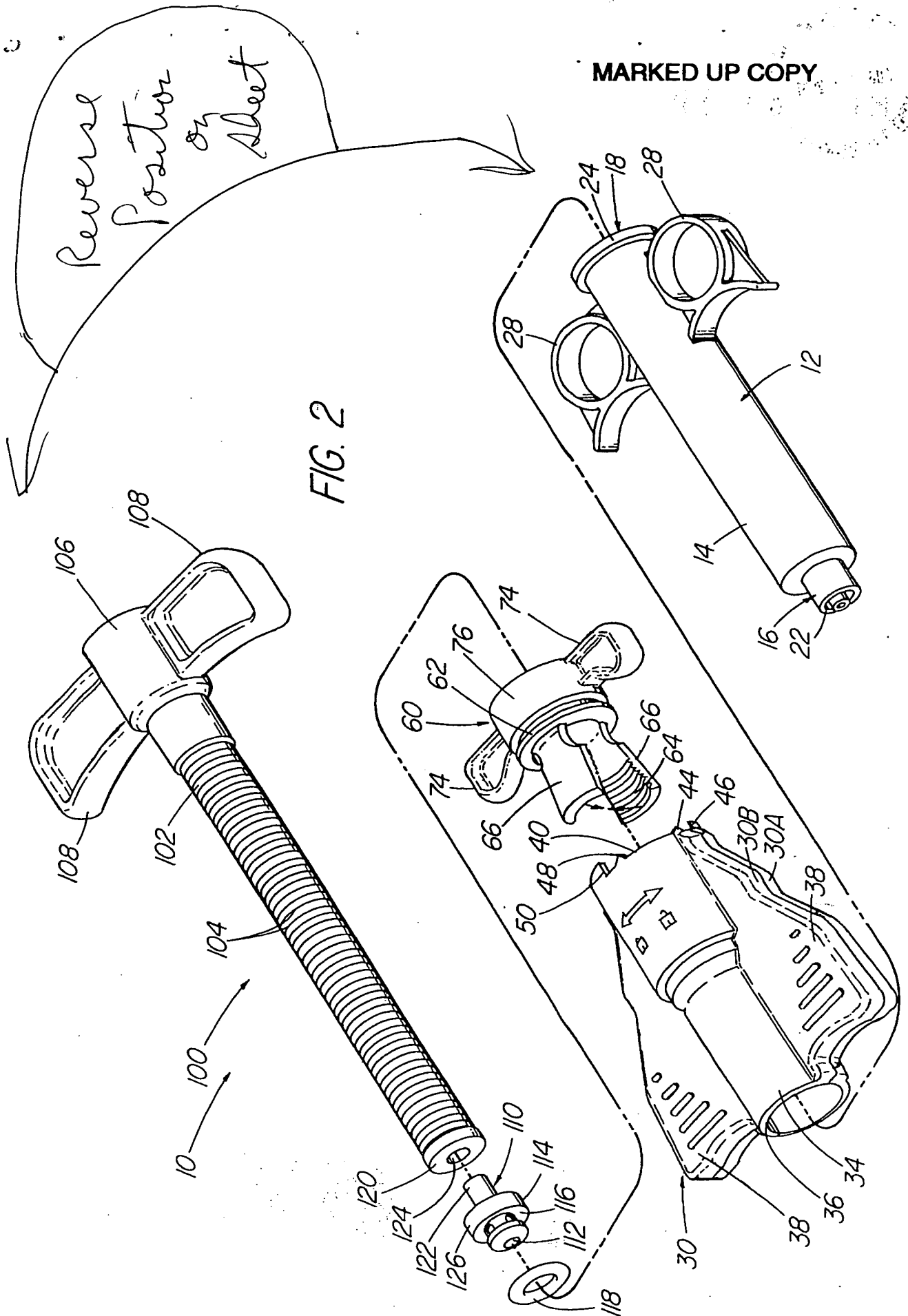




FIG. 3

FIG. 12

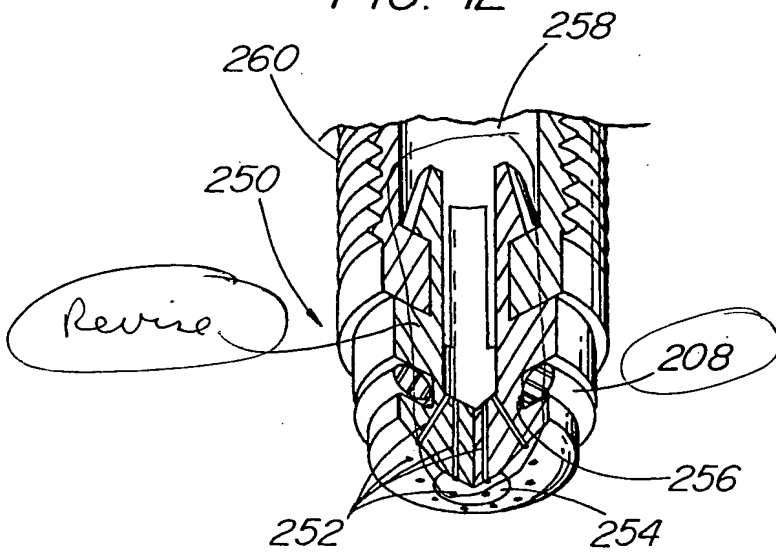


FIG. 13

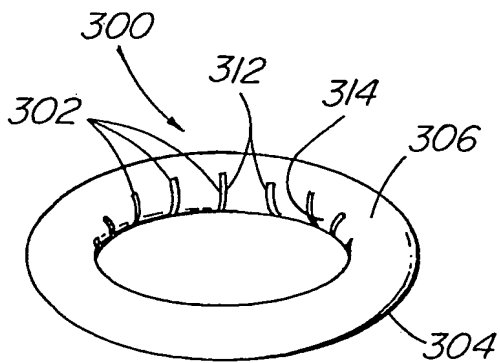
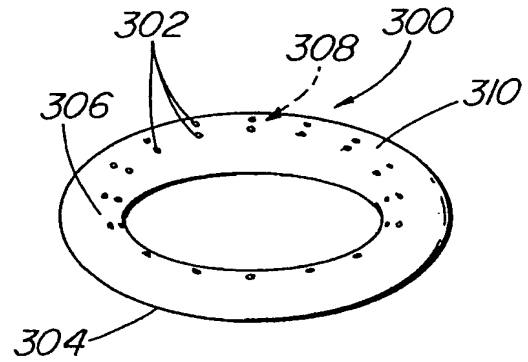


FIG. 14

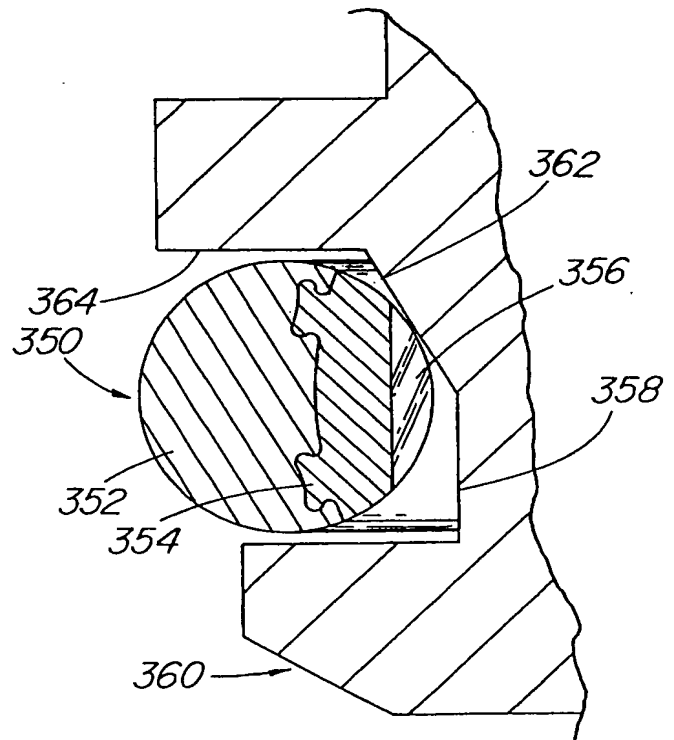


FIG. 15